In the claims:

Please amend the claims as follows:

1. (Amended) An apparatus for transmitting a waveform reflecting a time-varying magnetic resonance radio frequency signal comprising:
   (a) a waveform generator, wherein the waveform generator uses data reflecting the time-varying magnetic resonance radio frequency signal to generate a waveform having a time-varying property, wherein the waveform simulates a waveform of a subject undergoing a magnetic resonance scan; and
   (b) a signal transmitter that transmits the waveform having the time-varying property to a magnetic resonance scanner.
2. (Original) The apparatus of claim 1, wherein the waveform generator comprises a control device.
3. (Original) The apparatus of claim 2, wherein the control device is a computer.
4. (Original) The apparatus of claim 1, wherein the waveform generator comprises a base-band or intermediate frequency generator and modulator, or a digital frequency synthesizer.
5. (Original) The apparatus of claim 1, wherein the time-varying property is amplitude, frequency, or phase.
6. (Original) The apparatus of claim 1, wherein the signal transmitter is an antenna or cable.
7. (Original) The apparatus of claim 1, further comprising a magnetic resonance scanner.
8. (Original) The apparatus of claim 1, further comprising a keyboard.
9. (Original) The apparatus of claim 1, further comprising a monitoring device that records operating parameters of a magnetic resonance scanner or free induction decay signals.
10. (Original) The apparatus of claim 9, wherein the monitoring device is a digital or analog signal recorder.
11. (Amended) An apparatus for transmitting a waveform reflecting a magnetic resonance radio frequency signal comprising:
    (a) a storage medium that stores data reflecting the magnetic resonance radio frequency signal;

A1 cont'd

(b) a waveform generator, wherein the waveform generator uses data reflecting the magnetic resonance radio frequency signal to generate a waveform, wherein the waveform simulates a waveform of a subject undergoing a magnetic resonance scan; and

(c) a signal transmitter that transmits the waveform to a magnetic resonance scanner.

12. (Original) The apparatus of claim 11, wherein the storage medium is random access memory, a magnetic storage medium, or an optical disk.
13. (Original) The apparatus of claim 11, wherein the waveform generator comprises a control device.
14. (Original) The apparatus of claim 13, wherein the control device is a computer.
15. (Original) The apparatus of claim 11, wherein the waveform generator comprises a base-band or intermediate frequency generator and modulator, or a digital frequency synthesizer.
16. (Original) The apparatus of claim 11, wherein the signal transmitter is an antenna or cable.
17. (Original) The apparatus of claim 11, further comprising a magnetic resonance scanner.
18. (Original) The apparatus of claim 11, further comprising a monitoring device that records operating parameters of a magnetic resonance scanner or free induction decay signals in the storage medium.
19. (Original) The apparatus of claim 18, wherein the monitoring device is a digital or analog signal recorder.
20. (Amended) An apparatus for transmitting a waveform reflecting a magnetic resonance imaging signal comprising:

(a) a waveform generator, wherein the waveform generator uses data reflecting the magnetic resonance imaging signal to generate a waveform having a time-varying property, wherein the waveform simulates a waveform of a subject undergoing a magnetic resonance scan;

(b) a signal transmitter that transmits the waveform having the time-varying property; and

(c) a magnetic resonance scanner that receives the waveform and uses it to produce an image.

21. (Original) The apparatus of claim 20, wherein the waveform generator comprises a control device.
22. (Original) The apparatus of claim 21, wherein the control device is a computer.
23. (Original) The apparatus of claim 20, wherein the waveform generator comprises a base-band or intermediate frequency generator and modulator, or a digital frequency synthesizer.

A1 Cont'd

24. (Original) The apparatus of claim 20, wherein the signal transmitter is an antenna or cable.

25. (Amended) A method of transmitting a waveform reflecting a time-varying magnetic resonance radio frequency signal comprising:

(a) providing data reflecting the time-varying magnetic resonance radio frequency signal to a waveform generator;

(b) generating a waveform having a time-varying property based on the data reflecting the time-varying magnetic resonance radio frequency signal using the waveform generator, wherein the waveform simulates a waveform of a subject undergoing a magnetic resonance scan; and

(c) transmitting the waveform having the time-varying property to a magnetic resonance scanner.

26. (Original) The method of claim 25, wherein the time-varying property is amplitude, frequency, or phase.

27. (Amended) The method of claim 25, further comprising:

(d) storing the data reflecting the time-varying [MR Rf] magnetic resonance radio frequency signal.

28. (Original) The method of claim 25, further comprising:

(d) detecting the waveform having the time-varying property.

29. (Original) The method of claim 25, further comprising:

(d) testing a receiving system of a magnetic resonance scanner.

30. (Original) The method of claim 25, further comprising:

(d) calibrating a receiving system of a magnetic resonance scanner.

31. (Original) The method of claim 25, further comprising:

(d) testing data processing algorithms of a magnetic resonance scanner.

32. (Original) The method of claim 25, further comprising:

(d) training operators of a magnetic resonance scanner.

Please add the following claims:

33. (New) The method of claim 1, wherein the subject is a real subject.

34. (New) The method of claim 11, wherein the subject is a real subject.

35. (New) The method of claim 20, wherein the subject is a real subject.

36. (New) The method of claim 25, wherein the subject is a real subject.

37. (New) The method of claim 1, wherein the subject is constructed by computer programming.

38. (New) The method of claim 11, wherein the subject is constructed by computer programming.

39. (New) The method of claim 20, wherein the subject is constructed by computer programming.

40. (New) The method of claim 25, wherein the subject is constructed by computer programming.

In the drawings:

Accompanying this response please find formal drawings that address the comments on the Notice of Draftperson's Patent Drawing Review.